

KRIVOSHEYEV, V.I.; MUSHIN, A.Z.; GOMBINER, B.Ya.; KASHNITSKIY, L.A.

Large-scale introduction of hydraulic fracturing in oil fields.
Neft. khoz. 38 no.4:8-14 Ap '60. (MIRA 14:8)
(Oil wells--Hydraulic fracturing)

GOMBINER, B.Ya.

Petroleum production planning. Neft. khoz. 38 no.4428-30
Ap '60. (MIRA 14:8)
(Oil fields--Production methods)

COMBINER, B.Ya.

For the efficient programming of oil production. Azerb. neft. khoz.
39 no.1:47-48 Ja '60. (MIRA 14:8)
(Oil fields--Production methods)

71

COMBINER. B.Ya.; MIKOV, K.P. [deceased]

Calculating the cost of petroleum production for individual
wells. Neft. khoz. 43 no.3:1-5 M: '65. (MIRA 18:6)

GOMBKOTO, B.

A new stomach-replacing anastomosis in total gastrectomy. Acta med.
hung. 4 no.3-4:397-418 1953. (GIML 25:5)

1. Of the First Surgical Clinic of Debrecen University.

GOMBKOTO, B.

Excerpta Medica Sec 16 Cancer Vol. 2/4 April 54

1729. GOMBKOTO B., BAN A. and FÜLÖP T. Chir. Klin. und med. Klin., Univ. Debrecen, Ungarn. Angiosarkom der Milz *Angiosarcoma of the spleen* Dtsch Arch. klin. Med. 1953, 200/3 (378-384) Illus. 4

This rare disease was diagnosed in a woman aged 48. Aspiration biopsy of the enlarged and very hard spleen showed 70% tumour cells. Splenectomy was performed and the histological picture of the spleen is described. There was a 6 months' survival. No autopsy.
Haschen - Halle

EXCERPTA MEDICA - Sec 9 Vol. 9/8 Surgery Aug 55

Gombkoto B.

4281. GOMBKOTO B. Chir. Klin., med. Univ., Debrecen. *Beiträge zur Chirurgie der Pankreaszysten. Surgery of the pancreatic cysts BRUNS BEITR. KLIN. CHIR. 1954, 189/1 (37-48) Illus. 6

Two cases are reported. In the first case the cyst was due to injury of the abdominal wall. Simultaneously an aneurysm of the right iliac artery was evident. First the aneurysm was successfully operated on. Afterwards a pancreaticojejunostomy was done. This second operation revealed a communicating pancreatic duct. In the second case a double cyst occurred in connection with an inflammatory process. A cystoduodenostomy was performed with one part of the cyst. Later, the other part of the cyst emptied spontaneously.

Aleksic - Novi Sad

GOMBKOTO, Bela, dr.; ROKA, Gyula, dr.

~~Unusual case of developmental anomaly of the pancreas and bile ducts.~~
Unusual case of developmental anomaly of the pancreas and bile ducts. Orv. hetil. 96 no.20:553-555 15 May 55.

1. A Debreceni Orvostudományi Egyetem I. sz. Sebészeti
Klinikájának (igazgató: Loessl, János dr. Egyet. tanár) és a
II. sz. Belklinika (igazgató: Petranyi, Gyula dr. Egyet. tanár)
Röntgenlaboratóriumának (vezető: Roka, Gyula dr.) közleménye.

(PANCREAS, abnormalities,
agenesia, with aberrant bile ducts.)
(BILE DUCTS, abnormalities
aberrant duct with agenesia of pancreas.)
(ABNORMALITIES,
aberrant bile duct with agenesia of pancreas.)

GOMBKOTO, Bela, dr.; HERCZEG, Laszlo, dr.

Internal abdominal hernias. Magy. sebészeti 9 no.5:303-308
Oct 56.

1. Debreceni Orvostudományi Egyetem I. sz. Sebészeti Klinikájának
közleménye. Igazgató: Loessl, Janos, dr.
(HERNIA, INTERNAL, surg.
(Hun))

GOMBKOTO, Bela, dr., egyet. docens

The problem of early cancer diagnosis in connection with our
clinical material of five years (1949-53). Orv. hetil. 97 no.
42:1154-1159 14 Oct 56.

1. A Debreceni I. sz. Sebészeti Klinika (Loessl, Janos, dr.
egyet. ny. r. tanar) közleménye.
(NEOPLASMS, diag.
early, responsibility of physician (Hun))

GOMBKOTO, BELA, DR.

BAN, Andras, Dr.; GOMBKOTO, Bela, Dr.; KACSKO, Janos, Dr.

Agastric and intestinal megaloblastic anemias. Orv. hetil. 98 no.40:
1093-1096 6 Oct 57.

1. A debreceni Orvostudományi Egyetem I. sz. Belklinikájának (igazgató:
Fornet Bela dr. egyet. tanár) és I. sz. Sebészeti Klinikájának (mb.
vezető: Szelecsky Gyula dr. egyet. docens) közleménye.

(ANEMIA, HYPERCHROMIC, case reports

megaloblastic anemia after gastrectomy & intestinal
surg. (Hun))

(GASTRECTOMY, compl.

anemia, megaloblastic agastric, case reports (Hun))

(INTESTINES, surg.

compl. megaloblastic anemia, case reports (Hun))

GOMBKOTO, Bela, Dr.

Management of the duodenal stump in problems in resection of duodenal ulcers. Magyar sebeszet 11 no.1:22-26 Feb 58.

1. A Debreceni I. sz. Sebeszeti Klinika kozlemenye Mb. igazgato:
Szeleczy Gyula dr. docens.

(PEPTIC ULCER, surg.

management of duodenal stump in resections in duodenal
ulcer (Hun))

EXCERPTA MEDICA Sec 9 Vol 13/2 Surgery August 59

4537. THE ACUTE DUODENAL DILATATION AS COMPLICATION OF STOMACH RESECTION - Die akute Duodenumdilatation als Komplikation der Magenresektion - Gombkötő B, and Lukó G. I. Chir. Univ.-Klin., Debrecen - ZBL. CHIR. 1958, 83/II (676-678)
Report on an acute duodenal dilatation 36 hr. after a stomach resection (GE, a.c. oralis totalis). The patient's life could be saved with the aid of a duodenojejunostomy performed in time. The majority of cases of duodenal dilatation reported in the literature are autptic reports.

GOMBKOTO, Bela, Dr.; NAGY, Tibor

Cancer of the stomach operated for ulcer; the so-called gastric stump cancer. Orv. hetil. 99 no.12:402-405 28 Mar 58.

1. A Debreceni Orvostudományi Egyetem I. sz. Sebészeti Klinikájának (mb. igazgató: Szeleczky Gyula egyet. docens) közleménye.

(GASTRECTOMY, compl.

cancer of gastric stump (Hun))

(STOMACH NEOPLASMS

postop. cancer of gastric stump (Hun))

EXCERPTA MEDICA Sec 9 Vol 13/7 Surgery July 59

9)

3936. ATONY OF THE STOMACH AFTER RESECTION - Die Atonie des resezierten Magens - Gombkötő B. 1. Chir. Klin., Med. Univ., Debrecen - BRUNS' BEITR. KLIN. CHIR. 1958, 196/3 (366-383) Tables 1 illus. 5

The results of gastrectomy over a period of 25 yr. are reviewed. Five fatal cases are described. Even in symptom-free patients, there is frequently delay in gastric emptying. Gastric movement is inhibited by the trauma of operation and emptying is caused by the hydrostatic pressure of the fluid in the stomach. This may fail to empty the stomach if there is obstruction at the stoma from swelling, haematoma, perigastritis or abscess. Dilatation and hypersecretion result. Spur-formation through too much infolding at the suture line may also cause obstruction. The gastritic stomach reacts more markedly to the trauma of operation. Treatment should begin promptly. It includes gastric aspiration, parenteral fluids, vitamins, electrolytes and protein. If this fails jejunostomy is done. Other operations may be dangerous. In prevention the most important factor is a faultless technique.

Kinsella - Sydney

CO-
sym.
cha

EXCERPTA MEDICA Sec 9/Vol 13/5 SURGERY May 59

SHOCK
the tissue
rebova

2697. ACUTE DUODENAL DILATATION - Die akute Duodenumdilatation - Gomb-
kötö B. 1. Chir. Klin., Med. Univ. Debrecen - BRUNS' BEITR. KLIN.
CHIR. 1958, 196/44 (402-419) illus. 2

The clinical picture of arteriomesenterial obstruction of the duodenum is sufficiently known. Albrecht's explanation as a purely mechanical process (strangulation of the pars horizontalis inferior of the duodenum in the bifurcation of the arteria mesenterialis cranialis) was soon doubted because of the absence of tissue destruction, cyanosis and pain. Arteriomesenterial occlusion is by no means to be regarded as a general explanation of gastric dilatation. Von Haberer does not deny the significance of mesenterial strangulation, but tries to differentiate those few cases in which obstruction of the duodenum can be considered primary. The phenomena of the two pictures are compared. Highly instructive results of animal experiments with intestinal obstruction at various levels are reported. It is shown that because of their particular vascular pattern, organs with a storing function (stomach, colon) are less sensitive to extension than the duodenum with its increased secretion, which becomes cyanotic on slight pressure. Acute dilatation of the duodenum has been known for a long time, but is still fairly obscure. The clinical picture is discussed in detail, the local findings (transverse, palpable duodenal loops, especially in hyperlordotic posture of the patient) and the constant and accidental symptoms are distinguished. Early relaparotomy with duodenojejunostomy may be useful as treatment. The histories of 5 patients are described. Only 1 of the 5 patients was saved by operation.

Sarafoff - Sofia

SZABO, L.E.; GOMBKOTO, B.; LADANYI, Jozsa; TOTH, M.G.

On pseudocysts of the pancreas. Acta chir. acad. sci. hung. 3 no.4:
393-409 '62.

1. I Chirurgische Klinik (Direktor: Prof. Dr. Dr. H. c. E. Hedri)
der Medizinischen Universität Budapest, I Chirurgische Klinik
(Direktor: Prof. Dr. J. Szelezsky) und II Chirurgische Klinik
(Direktor: Prof. Dr. J. Ladanyi) der Medizinischen Universität
Debrecen.

(PANCREATIC CYST)

GOMBKOTO, Geza

Hungary/Chemical Technology - Chemical Products and Their Application. Medicinals.
Vitamins. Antibiotics, I-18

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62928

Author: Gal, Istvan; Gombkoto, Geza

Institution: None

Title: Preparation of Crystalline Capsaicine

Original

Periodical: Kristalyos kapszaicin eloallitasa. Elelm. ipar., 1955, 9, No 10,
313-314; Hungarian; Russian, English, and German resumés

Abstract: A new method has been worked out for obtaining capsaicine. The
latter crystallizes spontaneously from petroleum-ether extracts of
plant materials and can be isolated in very pure form.

Card 1/1

GOMBKOTO, Istvan; PATAKI, Laszlo

Preventing radio interferences caused by electrothermal
installations and mercury vapor lamps. Hir techn 13 no.5:176-
181 0 '62.

1. Posta Radio- es Televiziomuszaki Igazgatosag.

GOMBKOTO, Miklos, okleveles mernok

Modern load capacity testing car for the roads of Budapest.
Melyepitestud szemle 15 no.3:127-132 Mr '65.

GOMBO, Pal

After forty-five years. Magy kisipar 6 no.23:1 15 N '62.

GOMBOS, Bernard

Pneumoconioses from roasting iron ore. Pracovní lek. 8 no.6:
419-421 Dec 56.

1. Interna klinika v Kosiciach, prednosta doc. Dr. Frant. Por.
(PNEUMOCIONOSES, etiology and pathogenesis,
roasting of iron ore (Cs))

GOMBOS, Bernard

Pulmonary nodulation from inhalation of barium dust. Pracovni lek.
9 no.5:399-402 Nov 57.

1. Interna klinika v Kosiciach, prednosta doc. MUDr. Frant. Por.
Pododdelenie pre choroby z povolania.

(BARIUM, inj. eff.

pulmonary nodulation in workers of barium grinding mill (Cz))

(LUNG DISEASES, etiol. & pathogen.

nodulation in barium-grinding mill workers (Cz))

(OCCUPATIONAL DISEASES, etiol. & pathogen.

pulm. nodulation in barium-grinding mill workers (Cz))

GOMBOS, B.

CSSOSLOVAKIA

no academic degree indicated

Department for Occupational Diseases, Internal Clinic, Medical Faculty, P.J. Safarik University (Oddelenie pre choroby z povolanim Internej Kliniky Lek. Fak. Univ. P.J. Safarika), Kosice; Director: P. FOR, MD; Dental Clinic, Med. Faculty, P.J. Safarik Univ. (Zubna klinika Lek. Fak. Univ. P.J. Safarika), Kosice; Director: docent A. RUZICKA, MD; Neurological Clinic, Med. Fac. P.J. Safarik University (Neurologicka klinika Lek. Fak. Univ. P.J. Safarika), Kosice; Director: docent J. HEMPAN, MD.

Bratislava, Bratislavsko Lekarske Listy, No 9, Nov 62, pp 540-548.

"Chronic Lead Poisoning"

Co-authors:

DUDRA, A. same as above

MAGDO, J. " " "

BENICKY, L. " " "

REMAROVA, A. " " "

GOMBOS, B.; DUDRA, A. [deceased]; MAGDO, J.; BENICKY, L.; RIMAROVA, A.

Chronic mercury poisoning. Bratisl. Lek. Listy. 42 no.9:540-548
'62.

1. Z oddelenia pre choroby z povolania Internej kliniky Lek. fak.
Univ P.J. Safarika v Kosiciach, veduci prof. MUDr. F. Por, zo
Zubnej kliniky Lek. fak. Univ. P.J.Safarika v Kosiciach, veduci
doc. MUDr. A. Ruzicka, z Neurologickej kliniky Lek. fak. Univ.
P.J. Safarika v Kosiciach, veduci doc. MUDr. J. Hympan.
(MERCURY POISONING)

Mersten

CZECHOSLOVAKIA

GOMBOS, B; MERSTEN, A.

Internal Medicine Clinic of the Medical Faculty UPjS
(Interna klinika Lekarskej fakulty UPjS), Kosici
(for both)

Prague, Rozhledy v tuberkulose, No 5, 1963, pp 351-353

"Unilateral Silicosis."

POR, F.; TAKAC, M.; GOMBOS, B.; ROZLOZNIK, J.; BENICKY, L.; TAKOCOVA, M.

Ventilation and hemodynamic indices in acute and chronic silicosis.
Bratisl. lek. listy 43 no.4:219-225 '63.

1. Interna klinika Lek. fak. Univ. P.J. Safarika v Kosiciach, veduci
prof. MUDr. F. Por, a oddelenie pre choroby z povolania pri Internej
klinike Lek. fak. Univ. P.J. Safarika, veduci-ordinar MUDr. B. Gombos.
(SILICOSIS) (RESPIRATORY FUNCTION TESTS)
(THORACIC RADIOGRAPHY) (PULMONARY CIRCULATION)
(ELECTROCARDIOGRAPHY) (BALLISTOCARDIOGRAPHY)

GOIKO, G.; ROTHIC, I.

"Photometer for Flame in the Ceramic Laboratory", p. 105, (HETICANYAG, Vol. 6, No. 3, March 1954, Budapest, Hungary)

CC: Monthly List of East European Accessions (EEAL), IC, Vol. 4, No. 3, March 1955, Incl.

GOMBOS, Imre, dr.

Surgical aspects of occupational hazards in agriculture. Nepegeszsegugy
42 no.3:89-93 Mr '61.

1. Kozlemeny a Bekescsabai Varosi Tanacs Korhazanak sebeszeti osztalyarol
(foorvos: Gombos Imre dr.)

(RURAL HEALTH)

GOMBOS, Imre

Modernization of the foundation works in building transmission lines. Elektrotechnika 54 no.6:258-263 Je '61.

1. Országos Villamostavvezetek Vállalat Szerelesi Főosztály főosztályvezetője.

DARABOS, Gyorgy; GOMBOS, Katalin

The effect of ultrasound on the blind spot. Szemeszet 98 no.2:101-106
Je '61.

1. A Debreceni Orvostudományi Egyetem Szemklinikája (Igazgató: Kettesi
Aladar egy. tan.) s a Hajdu-Bihar Megyei Tanács Kórházának Idegosztálya
(Főorvos: Papp Zoltán) közleménye.

(FUNDUS OCULI physiol) (ULTRASONICS)

GOMBOS, Katalin, dr.

Zoophobia in children. Gyermekgyógyászat 13 no.4:124-128 Ap '62.

1. Megyei Tanács Rendelőintézete, Debrecen. (Igazgató: Szent-Királyi István dr.)

(NEURCSSES OBSESSIVE COMPULSIVE in inf & child)

GOMBOS, L.

The Fifth Hungarian Pharmacopeia. Gyogyszeresz 8 no. 2:29 Feb 1953.
(CIWL 23:5)

1. Doctor.

GOMECS, I.

- "The Electrolytic Condenser Meter" p. 221
 - "Bourgeois Science in the Service of Capitalism" p. 222
 - "The 5 + 2-Tube Super Receiver" p. 223
 - "The Czechoslovak Short-Wave Contest" p. 226
 - "From the Experiences of Radio Telegraphists of the All-Union Voluntary Society for the Promotion of the Army, Air Force, and Navy" p. 227
 - "The Opening of the Radio Club was a Holiday for Youthful Radio Amateurs in Csepel" p.227
 - "The Electronic Tube" p. 228
 - "The Orion 320 Receiver" p. 230
 - "A loop with an Iron Core" (To be contd.) p. 232
 - "The First Collective Pioneer Radio Station in the Country" p. 233
 - "Fundamental Concepts in Physics" p. 234
 - "The Terminal Voltage of the Power Source" (To be contd) p. 236
 - "Instruments for Demonstration " p. 237
- (Radiotechnika, Vol. 3, No. 10, October, 1953, Budapest)

East European Vol. 3, No. 3
 SO: Monthly List of ~~1953/1954~~ Accessions Library of Congress, March ¹⁹⁵⁴ ~~1953~~, Uncl.

BERECZ, Istvan; GOMBOS, Peter

Connection of combined vacuum gauge operating in the range of a
1-10⁻⁷ Hgmm. pressure. Magy fiz folyoir 8 no.1:31-35 '60.
(EEAI 9:10)

1. Magyar Tudomanyos Akademia, Atommag Kutato Intezete, Debrecen.
(Vacuum gauges) (Ionization)

NAGY, Janos; GOMBOS, Peter

Measurements by high-frequency ion source. ATOMKI kozl 5
no.1:39-46 My '63.

NAGY, Janos; GOMBOS, Peter; BEREZ, Istvan, tudomanyos munkatars;
MUCSI, Janos uvegtechnikus

Electrolyzer for obtaining pure H_2/D_2 /gas. ATOMKI kozl 3
no.4:231-233 '61.

1. Magyar Tudomanyos Akademia Atommag Kutato Intezete,
Debrecen.

NAGY, Janos; GOMBOS, Peter

Some practical alterations on radio-frequency ion sources. ATOMKI
kozl 4 no.1:19-31 My '62.

VALYI, Laszlo; GOMBOS, Peter; ROGSZ, Jozsef

Examination of long-lived radio-frequency ion source. Koz fiz
kozl MTA 12 no.6:461-476 '64.

GOMBO3, 3.

Critical review of results in industrial construction from the Liberation to the present. p.1714. TEHNIKA. Beograd. Vol. 10, no. 12, 1955.

SOURCE: East European Accessions List (EEAL), Library of Congress Vol. 5, No. 6, June 1956

YATSINA, Ya.; TISHLER, V.; GOMBOSH, A.

Functions of homotransplanted kidneys in immunologically similar
dogs. Fiziol. zhur. 47 no.6:774-777 Je '61. (MIRA 15:1)

1. From the Medical Faculty, Shafarik University, Kosice,
Czechoslovakian S.S.R.
(KIDNEYS--TRANSPLANTATION)

TISHLER, V. [Tischler, V.]; YATSINA, Ya. [Jacina, J.]; GOMBOSH, A.
[Gombos, A.]; SKOKAN, Y. [Skokan, J.]

Study of the functions of renal homografts that have survived
in dogs. Fiziol. zhur. 48 no.12:1488-1493 D '62. (MIRA 16:2)

1. From the Medical Faculty, Safarik University, Kosice,
Czechoslovak Socialist Republic.
(HOMOGRAPHS) (KIDNEYS—TRANSPLANTATION)

YATSINA, Ya. [Jacina, J.]; TISHLER, V. [Tisler, V.]; GOMBOSH, A. [Gambos, A.];
MATEOVA, Ye. [Mateova, E.]

Glucose, lactate, and pyruvate metabolism in the kidneys of
dogs in vivo. Fiziol.zhur. 51 no.11:1356-1362 N '65.

(MIRA 18/11)

1. Kafedra okhrany rebenka i kafedra normal'noy i topograficheskoy
anatomii Meditsinskogo fakul'teta Universiteta Imeni P.I.
Shafarika, g. Koshitse, Chekhoslovakiya.

C-3

HUNGARY/Nuclear Physics - Elementary Particles

Abs Jour : Ref Zhur - Fizika, No 12, 1958, No 36896

Author : Bozoki Gyorgy, Gombosi Eva

Inst : Not Given

Title : Angular Distributions Obtained on the Basis of Different Theories of Multiple Meson Production.

Orig Pub : Magyar tud. akad. Kozp. fiz. kutato int. kozl., 1957, 5, No 6, 537-555, 111

Abstract : On the basis of the multiple meson production of L.D. Landau, the authors have investigated the dependence of the differential and integral angular distributions of the created particles on $\alpha = \gamma_0 \sin \vartheta$, for the case of nucleon-nucleon collisions (γ_0 is the primary energy in the center-of-mass system in units of the nucleon rest mass, and ϑ is the angle of deflection of the particles from the vertical axis in the laboratory system). The results are compared with the distributions obtained in accordance with the Fermi and Heisenberg theory with angular distribution of the type $\cos^4 \vartheta$ respectively.

Card : 1/2

6

APPROVED FOR RELEASE: 06/13/2000

HUNGARY/Nuclear Physics - Elementary Particles

Abs Jour : Ref Zhur - Fizika, No 12, 1958, No 26896

Abstract : With the aid of the distributions obtained, the authors calculate the function $f(\alpha) = F(1-F)$. For the case of the investigated angular distribution in jets, the results obtained in this manner make it possible to compare the experimental and theoretical distributions, and also to determine the primary energy. In addition, on the basis of the Landau theory, the authors have investigated the angular distribution for the case of nucleon-nucleus collisions

Card : 2/2

GOMBOSI, E.

Abs Jour : Ref Zhur Fizika, No 12, 1959, 26959

interactions of shower particles were noted, and the energy and transverse momenta of these particles were estimated. On the basis of the measurement of the energy of the electron-positron pairs, found in a narrow cone formed by the jet particles, approximate estimates are made of the number, average momentum, and average transverse momentum of the neutral pions. A brief description is given of the experimental results obtained.

Card 2/2

- 32 -

13. On the angular distribution of shower particles generated in high-energy nuclear interactions. Gy. Hozóki, E. Fonyósi, E. Gombosi, A. Magyar Tudományok Akadémia Központi Kutató Intézetének Közleményei (Proceedings of the Central Research Institute for Physics of the Hungarian Academy of Sciences), Vol. 9, 1958, No. 6, pp. 339-344, 1 fig., 1 tab.

The angular distribution of shower particles produced in nuclear interactions having a primary energy of 10^{14} to 10^{16} eV has been compared with the angular distribution calculated on the basis of the Fermi, Landau and Heisenberg theory. It has been proved that it cannot be unequivocally established which, if any, of the above multiple meson production theories can be considered correct merely on the basis of angular distribution.

GOMBOSI, E.

19 5
15. Analysis of nuclear interactions of energies between 10 and 1000 GeV. E. Fenyves, E. Gombosi, P. Rády. *A Magyar Tudományos Akadémia Közleményei Fizikai Kutató Intézetének Közleményei* (Proceedings of the Central Research Institute for Physics of the Hungarian Academy of Sciences), Vol. 6, 1958, No. 8, pp. 345-350, 3 figs., 1 tab.

The angular and energy distribution of the shower particles of seven nuclear interactions, mostly complex collisions, were measured. The Lorentz factor γ_{cm} of the centre of mass system (CMS) was determined from the energy of secondaries, and the Lorentz factor γ_{sym} of the symmetry system was obtained from the angular distribution. It was

found that $\left[\frac{\gamma_{sym}}{\gamma_{cm}} \right] = 0.92 \pm 0.15$ which corresponds to a symmetrical emission of shower particles in the CMS. Energy distribution in the CMS as well as the transversal momentum distribution of shower particles were also determined.

HUNGARY/Nuclear Physics - Nuclear Reactions.

C-

Abs Jour : Ref Zhur Fizika, No 3, 1960, 5432

Author : Bozohi Gyorgy, Penyves Erwin, Gombosi Eva

Inst : -

Title : Investigations of the Interactions Due to 9-Bev Protons
in Photoemulsion

Orig Pub : Magyar tud. akad. kozp. fiz. kutato int. kozl., 1958,
6, No 5, 351-357, IV

Abstract : A procedure is developed for determining the number of nucleons, η , knocked out of a nucleus as a result of nuclear interaction with 9-Bev protons. The correlation between η and the number of emitted cascade particles and between η and the number of evaporated particles was investigated. The results obtained are evidence of the existence of such a correlation. -- V.I. Lend'yel

Card 1/1

GOMBOSI, E.

Angular distribution of shower particles generated in high-energy nuclear interactions. I. Boróki, E. Fenyves, and Eya Gombosi (Central Research Inst. Phys., Budapest, Hung.). *Nuclear Phys. B*, 190-200(1968). The differential and integral angular distributions of the above particles are calcd. according to the multiple meson production theories of Fermi, Landau, and Heisenberg for nucleon-nucleon interaction. Angular distributions calcd. according to the Landau theory are also given for nucleon-nucleus interaction. Norman E. Pickering

1/1 Distr: 4E3clE3d

ONE

BOZOKI, Gyorgy; GOMBOSI, Eva.

On the size distribution of stars observed in nuclear emulsions.
Koz fiz kozl MTA 7 no.4:189-198 '59. (EEAI 9:8)

1. A Magyar Tudomanyos Akademia Kozponti Fizikai Kutato Intezete,
Kozmikus Sugarzasi Osztaly.
(Nuclear emulsions) (Cosmic rays)

GOMBOSI, E.

Nuclear interactions of primary energy between 1000 and 10000 GeV. From Physics and Chemistry of the Atmosphere (Hung. Acad. Sci. Budapest) Vol. 10 (1969) (1969).—Angular and energy distributions were detd. in shower particles of 7 high-energy complex nuclear collisions, produced in emission plates by cosmic radiation. The ratio between the Lorentz factor of the symmetry system and that of the center-of-mass system (c.m.s.) was calcd. to 0.92 ± 0.15 , corresponding to a sym. emission of the shower particles in the c.m.s. Rose Mittelman

1-2630
2630

KR

GOMBOSI, E.

✓ Interactions produced by 9-b.e.v. protons in emulsion
 plates. [György Bozók, Eryin Fejves, and Eya Gombosi
 (Hung. Acad. Sci., Budapest). *Magyar Tudományok
 Akad. Központi Fiz. Kutató Intézetének Közleményei* 6, 351-7
 (1959).]—A method was developed for the detn. of the no.
 (q) of nucleons struck in nuclear interactions caused by 9-
 b.e.v. protons. A significant correlation was found between
 q and the no. of shower particles, and also between q and
 the no. of evapd. particles. Rose Mittelmann—

1-463C
 463D

5

RR

BOZOKI, Gyorgy; DOMOKOS, Gabor; FENYVES, Ervin; FRENKEL, Andor; COMBOSI, Eva; HEBEL, D.; LANIUS, K.; MEIER, H.W.

Further investigation of high-energy jet. Koz fiz kozl MTA 7 no.6:
374-377 '59. (EEAI 9:8)

1. Kozmikus Sugarzasi Laboratorium, Kozponti Fizikai Kutato Intezet,
Magyar Tudomanyos Akademia (for Bozoki, Domokos, Fenyves, Frenkel,
Gombosi). 2. Nemet Tudomanyos Akademia Magfizikai Intezete,
Zeuthen (for Bebel, Lanius, Meier)
(Particles) (Photons) (Cascades)

GOMBOSI, Eva; JANOSSY, Lajos

Determination of the frequency of various types of events by the
maximum likelihood method. Koz fiz kozl MTA 8 no.2/3:83-86 '60.
(EEAI 10:4)

1. A Magyar Tudomanos Akademia Kozponti Fizikai Kutato Intezete,
Kozmikus Sugarzasi Laboratorium.
(Nuclear emulsions)

H/016/60/010/06/03/008
B016/B011

AUTHORS: Boz6ki, Gy6rgy, Gombosi, 6va

TITLE: Nuclear Interactions at Extremely High Energies


PERIODICAL: Fizikai Szemle, 1960⁹, Vol. 10, No. 6, pp. 173-178

TEXT: The authors wanted to collect the experimental results obtained by various authors along with the respective theoretical assumptions concerning changes in elementary interaction phenomena at extremely high energies. Possibilities of studying high-energy nuclear interactions: In the main, there are two procedures: the one with ordinary counters and scintillation counters, and the nuclear emulsion method. Anomalous processes observed in the investigation of extensive cosmic showers: 1) Nuclear-active component: In 1954, S. I. Nikolskiy and co-workers (Ref. 3) measured the spatial distribution and the number of nuclear-active 10^9 ev particles in extensive cosmic showers at an altitude of 3860 m in the Pamirs. E. A. Murzina and co-workers (Ref. 4) conducted measurements on the integral energy spectrum in the same ranges in the fall of 1957. Particles over 10^{13} ev energy were much scarcer than

Card 1/3

Nuclear Interactions at Extremely High
EnergiesH/016/60/010/06/03/008
B016/B011

expected by the analogy with primary cosmic radiation. Of late, the same findings were made in the energy spectrum of π^0 -mesons as had been reported at the 1959 Kiev Conference on High-energy Physics. 2) μ -meson component: a) In 1954, Yu. N. Vavilov and co-workers (Ref. 5) studied the spatial distribution and the number of μ -mesons originating in extensive cosmic showers, and found their spatial distribution to be independent of the primary shower energy. b) In 1957, Higashi and co-workers carried out experiments in a subterranean Wilson chamber. μ -Mesons with an energy of over 0.5 Gev were assumed to be contained in the penetrating particles. c) A third experiment, which likewise showed an anomalous phenomenon, was carried out in 1952 by Barrett (Ref. 8) and others. I. L. Rozenthal (Ref. 9) pointed thereto from the viewpoint of the possibility of a change in the interaction cross section at high energies. 3) Propagation of the bundle of extensive cosmic showers: O. Dobzhenko and others (Ref. 10) studied several problems with counters, ionization- and Wilson chambers in the Pamirs in 1955. They found that the shower beam may have a diameter of 1-3 m. 4) Inelasticity of the interaction process: In showers of over $6 \cdot 10^{14}$ ev, the last-mentioned experiment gave evidence



Card 2/3

Nuclear Interactions at Extremely High
Energies

H/016/60/010/06/03/008
B016/B011

of several nuclear-active particles whose energy was of the same order.
5) High-energy nuclear interaction observed in photoemulsion and exhibiting anomalous character: Fowler and co-workers (Ref. 11) found such anomalies in 1957. Explanation of the experiments: Experimental results indicate that the structure and the formation mechanism of extensive cosmic showers change at a primary energy of about 10^{15} ev. Two hypotheses have been set up to explain this theoretically: 1) At the Conference on Cosmic Radiation held in Budapest in 1956, S. I. Nikolskiy ventured that these changes might be in some way related to the nucleonic structure. 2) E. Friedländer took up this idea, and tried an interpretation by assuming a nucleon nucleus with the aid of the Fermi theory. There are 7 figures and 12 references: 7 Soviet, 2 English, 2 Italian, and 1 Hungarian.

ASSOCIATION: Központi Fizikai Kutató Intézet Kozmikus Sugárzási
Laboratórium (Central Research Institute of Physics,
Laboratory of Cosmic Radiation)

Card 3/3



GOMBOSI, EVA.

19
/ Size distribution of stars observed in nuclear emulsions.
G. Bozoki and Eva Gombosi (Central Research Inst. Phys.,
Budapest). *Acta Phys. Acad. Sci. Hung.* 11, 307-18
(1960) (in English). — The frequency distribution of stars
produced in nuclear emulsions by cosmic radiations repre-
sented in terms of the no. of their gray and black prongs has
been reported by others to yield a curve consisting of 2
straight lines which intersect at a prong no. about 7.5. By
analysis of measurements on cosmic radiation measurements
taken at altitudes of 1050-13 g./sq. cm. and by comparing
them with those obtained in high-energy (0 b.e.v.) acceler-
ator expts., the above basic feature of the frequency curve is
mainly the consequence of the energy spectrum of the pri-
mary particles generating the stars. Richard Holtzman

1-1JP(c)

GOMBOSI, Eva

Investigation of nuclear interactions of the 9 BeV protons
in photoemulsions. Magy fiz folyoir 10 no,4:265-291 '62.

1. Kozponti Fizikai Kutato Intezet, Budapest, Kozmikus
Sugarzasi Laboratorium.

BOZOKI, D.; GOMBOSI, Ye. [Gombosi, E.]

Determination of the scattering constant K_s in a NIKFI-R
emulsion by measuring the angular dispersion of a 9 Gev.
proton beam. Prib. i tekhn. ekap. 8 no.6:61-65 M.D. '63.
(MIRA 17:6)

1. Tsentral'nyy institut fizicheskikh issledovaniy Vengerskoy
Akademii nauk, Budapest.

GOMBOSI, Eva; JANOSSY, Lajos

Determination of the relative intensity of the various types of atomic nuclei in the primary cosmic radiation on the basis of the maximum likelihood method. *Koz fiz kozl MTA* 11 no.8:163-174 '63.

1. "Magyar Tudományos Akadémia Központi Fizikai Kutató Intézetének Közleményei" felelős kiadója (for Janossy).

BOXOKI, G.; FENYVES, E.; FRENKEL, A.; GOMBOSI, Eva

On the quasi-elastic character of inelastic two-prong $\pi^- - p$
interactions at 7 and 16 GeV/c. Acta phys Hung 16 no. 4:355-
360 '64.

1. Central Research Institute of Physics, Budapest. Presented
by Lajos Janossy.

COMBOSI, Eva; JANOSSY, Lajos

Determination of the frequency of various types of events by the maximum likelihood method. Acta phys Hung 16 no. 4:361-365 '64.

1. Central Research Institute of Physics, Laboratory for Cosmic Rays, Budapest.

BOZOKI, G.; FENYVES, E.; GOMBOSI, Eva; NAGY, E.

In elastic two-prong π^- interactions at 17, 2 GeV in emulsion.
Acta phys Hung 18 no.1:61-66 '64.

1. Central Research Institute of Physics of the Hungarian
Academy of Sciences, Budapest. Submitted July 2, 1964.

GOMBOSI, Janos, dr.

Melanoblastoma of the oral cavity, nose and paranasal sinuses.
Fogorv. szemle 58 no.6:179-182 Ja '65

1. Fovarosí Uzsoki utcai Korház (Igazgató-foorvos: Szanto,
Sandor, dr.) Onkoradiológiai Intézetének (Oszályvezető-foorvos:
Vandor, Ferenc, dr.) és Központi Gondozó Intézetének (Foorvos:
Karpati, György, dr.) közleménye.

HUNGARY

SZABO, Imre, KARPATI, Gyorgy, Dr, COMBOSI, Janos, Dr, NEMETH, Gyorgy, Dr;
XIV. District Council Executive Committee, Uzsoki Street Hospital (director-
chief physician: SZANTO, Sandor, Dr), Institute of Onco-Radiology (chief
physician-in-charge: VANDOR, Ferenc, Dr), Central Patient Services (chief
physician-in-charge: KARPATI, Gyorgy, Dr) (XIV Keruleti Tanacs VB -- Vegre-
hajto Bizottsag --, Uzsoki Utcai Korhaz, Onko-Radiologiai Intezet, Kozpont
Gondozo), Budapest.

"The Use of Radiogold Wire (Au198) in Tumor Therapy (I. Experimental Sec-
tion, Radiation Physics and Dosimetry)."

Budapest, Magyar Radiologia, Vol XVIII, No 2, Apr 66, pages 112-117.

Abstract: [Authors' English summary modified] The experimental problems
and the problems of X-ray physics and dosimetry which arise in connection
with the use of radiogold-wire are discussed. The clinical experiences
are to be discussed in the second part of this paper. No references.

HUNGARY

KARPATI, Gyorgy, Dr; SZABO, Imre; GOMBOSI, Janos, Dr; and NEMETH, Gyorgy, Dr; Uzsok Street Hospital of the XIV District Council, Budapest (hospital director: Dr Ferenc VANDOR)

"Use of Au-198 Wire in Tumor Therapy. Part 2. Clinical Experience."

Budapest, Magyar Radiologia, Vol 18, No 3, Jun 66, pp 161-165

Abstract [authors' Russian, English and German summaries, modified]: The results of using Au-198 wire on 67 tumor patients are summarized. The importance of the method is emphasized. Au-198 wire is also produced in Hungary and is less expensive than radium needles. No references.

BOZOKI, G.; GOMBOSHI, Ye. [Gombosi, E.]; NAD', E. [Nagy, E.]

Effective mass generated in diffraction dissociation processes.
IAd. fiz. 2 no. 5:945-949 N '65.

(MIRA 18:12)

1. TSentral'nyy institut fizicheskikh issledovaniy, Budapesht.

GOMBOYEV, N.TS.; TSYDIPOV, Ch.TS.

Effect of meteorological conditions of Transbaikalia on the
propagation of ultrashort waves. Krat.soob. BKNII no.3:125-136
'62. (MIRA 16:5)
(Transbaikalia--Ionospheric radio wave propagation)
(Transbaikalia--Climate)

GOMBOYEV, N.TS.

Study of the vertical structure of the refractive index of the lowest atmospheric layer. Trudy GGO no.173:91-101 '65.

Some characteristics of the change in the refractive index of the atmosphere near the earth's surface. Ibid.:102-110
(MIRA 18:3)

COMBETEV, G.I.; KOLYVANT, V.I.; SILICHEV, M.K.

New geotectonic area of ultrabasic-alkali rocks in the northeast
of the U.S.S.R. Geol. i geofiz. no.5:143-145 '85.

(MIRA 18:8)

3. Alakol'-Zhetyskaya kompleksnaya geologorazvedchnaya ekspeditsiya
Yakutskogo geologicheskogo upravleniya, pub. Zhendyya.

KRAVTSOV, V.I.; MASLYAKOVA, I.O.; GOMBOZHAY, Zh.

Galvanostatic study of the cathodic process of hydrogen evolution on cobalt and nickel in acid sulfate electrolytes. Zhur.fiz.khim. 37 no. 10:2333-2336 O '63. (MIRA 17:2)

GOMBYN, SANDAGZHAV

Name: GOMBYN, SANDAGZHAV

Dissertation: The central part of Northern Mongolia

Degree: Cand Geog Sci

Defended at:
Affiliation: Inst of Geography, Acad Sci USSR

Publication
~~Defense Date~~, Place: 1956, Moscow

Source: Knizhnaya Letopis', No 2, 1957

COMELAUPI, K. I., Cand Med Sci — (diss) "Data from the study of certain questions on the functional state of the liver and treatment for Botkin's disease," Tbilisi, 1960, 32 pp (Tbilisi State Medical Institute)
(KL, 33-60, 110)

GOMELAURI, K.I.

Changes in the protein-nitrogen substances of the blood in various clinical forms of Botkin's disease. Soob. AN Gruz. SSR 24 no.1:31-35 Ja '60. (MIRA 14:5)

1. Tbiliaskiy gosudarstvennyy institut usovershenstvovaniya vrachey.
Predstavleno akademikom K.D.Eristavi.
(BLOOD PROTEINS) (HEPATITIS, INFECTIOUS)

GOMELAURI, L.A.

New species of mite of the genus Temuipalpus from Georgia
(Acarina, Temuipalpidae). Soob. AN Gruz. SSR 24 no. 1:77-79
Ja '60. (MIRA 14:5)

1. Akademiya nauk Gruzinskoy SSR, Institut zoologii, Tbilisi.
Predstavleno chlenom-korrespondentom Akademii L.P. Kalandadze.
(Georgia—Mites)

GOMELAURI, L.A.

New species of predatory mites of the family Bdellidae. Soob. AN Gruz.
SSR 26 no.1:67-72 Ja '61. (MIRA 14:3)

1. AN Gruzinskiy SSR, Institut zoologii, Tbilisi. Predstavleno chlenom-
korrespondentom Akademii L.P. Kalandadze.
(Georgia--Mites)

GOMELAURI, L.A.

Study of the mites of the family Bdellidae of the Georgian S.S.R.
Soob. AN Gruz. SSR 30 no.1:47-51 Ja '63. (MIRA 17:1)

1. Institut zoologii AN Gruzinskoy SSR, Tbilisi. Predstavleno
chlenom-korrespondentom Akademii L.P. Kalandadze.

GOMELAURI, L.A.

New genus and species of predatory mites of the family Bdellidae.
Soob. AN Gruz. SSR 31 no.1:167-170 J1 '63. (MIRA 17:7)

1. Institut zoologii AN Gruzinskoy SSR, Tbilisi. Predstavleno
chlenom-korrespondentom akademii L.P. Kulandadze.

GOMELAURI, L.Z.

Giving more training to key public health personnel. Sov.zdrav. 17
no.8:3-6 Ag '58 (MIRA 11:9)

1. Zamestitel' ministra zdravookhraneniya Gruzinskoy SSR.
(PUBLIC HEALTH, educ.
in Russia (Rus))

GOMELAURI, L. Z., Cand. Med. Sci., -- (diss) "Medical personnel of the Georgian SSR (1945-1960)," Tbilisi, 1961, 29 pp (Tbilisi State Medical Institute) 200 copies (KL-Supp 9-61, 189)

BABUTSIDZE, Ya.K.; NATADZE, T.A.; SAMADASHVILI, V.A.; SHALAMBERIDZE,
O.P.; GOMELAURI, L.Z.. Land. med. nauk, red.

[Bibliographic index of the works of the Scientific Research Institute of Sanitation and Hygiene] Bibliograficheski ukazatel' trudov nauchno-issledovatel'skogo instituta sanitarii i gigieny, 1926-1960 g. Tbilisi, 1962. 56 p. (MIRA 16:4)

1. Tiflis. Nauchno-issledovatel'skiy institut sanitarii i gigieny.

(BIBLIOGRAPHY--PUBLIC HEALTH)

9

ca

New plant for washing manganese ore in the Chiaturi District. N. G. Gomkiani. *Corno-Obogolitsk. Zhur.* No. 5, 5-10(1940).--The crude ore contains about 40% Mn; it consists chiefly of pyrolusite with small amts. of psilomelane and psilomelane. In the new plant the yield of concentrate is 55-60% contg. 82% Mn. Extn. is 80% Mn. B. Z. Kamich
The flow sheet is given.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSING AND PREPARATION INDEX	
CA	<p>Study of the adsorption layers and of the processes of wetting the constituents of polymetallic ores by different reagents, with a view to determining optimum flotation conditions. N. G. Gontscharov. <i>Gorny-Metallurg. Zhur.</i> 1936(7), No. 7, 26-32; <i>Chim. i. Industrija</i> 30, 1940. — Kerosene gives the best results with molybdenite; toluene also gives good results, but not as good as kerosene. K ethylanthate is entirely unsuitable for the flotation of molybdenite. It was observed that it slightly reduces the water-repelling properties of the mineral; it is concluded that, in this case, in view of the high water-repellent properties of molybdenite, the anthate is adsorbed by the surface of the molybdenite particles in such a manner that the hydrophilic faces of the anthate molecules are directed toward the water, while the hydrophobic faces are adsorbed by the surface of the mineral. Na₂S, cyanides and H₂SO₄-Na₂SO₄ mixt. do not have any action on the flotation of molybdenite. A. Papineau-Couture</p>
<p>ASB-31A METALLURGICAL LITERATURE CLASSIFICATION</p>	

Flotation of Pirdouzen (Armenia) molybdenum-copper ore. N. G. Gamselant and K. T. Vartanyan. *Mineral Syr's II*, No. 10, 36-38 (1930).--Optimum conditions of combined and fractional flotation of chalcopyrite-molybdenite ore contg. 0.15% Mo and 1.2% Cu are described. One ton of ore is crushed to 200-mesh (50.3%) and then treated with 0.5 kg. CaO, 0.11 kg. xanthate, 0.12 kg. kerosene and 0.07 kg. pine oil, giving a combined extn. of 89-90% Mo and 75% Cu at a concn. of 1.11% Mo and 7.66% Cu. Mo could not be satisfactorily sepd. from Cu in the concentrate with the aid of all common depressing agents and even after intermediate removal of xanthate from the concentrate by careful washing with hot water (50°). It is evident that a complete depression of chalcopyrite is impossible because of the formation of a persistent hydrophobic surface film of xanthate. Use of smaller amts. of xanthate (0.05 kg./ton) produced better but not complete sepn. of Mo and Cu in the following selective flotation. A complete sepn. of Mo and Cu resulted from the alk. selective flotation with subsequent refinements of the concentrates. One ton of ore is mixed with 0.5 kg. CaO in the process of grinding to 200 mesh (50.3%). For the sepn. of molybdenite, the mixt. is floated with 0.07 kg. kerosene and 0.05 kg. pine oil for 12 min. The Cu ore fraction is stirred with 1 kg. CaO and 0.1 kg. xanthate for 5 min., and then is floated with addn. of 0.05 kg. pine oil for 20 min. The extn. of Cu is improved by addn. of 0.5 kg. Na₂S toward the end of the Cu flotation, resulting in sepn. of 80-85% Cu at a concn. of 3-4%. The content of Cu in the concentrate can be increased to 12-15% by subsequent refining. After 4 refloatations of the molybdenum fraction in the presence of Na₂S, a concentrate with 85% molybdenite contg. 0.4-0.5% Cu is obtained. By addnl. grinding of the molybdenum fraction, the extn. of Mo is increased to 90-92% and the loss of Cu in tailings is decreased to 10-12%.

Chas. Blanc

Flotation of manganese slimes. N. G. Goudalova. *Gorno-Metallurg. Zhur.* No. 1, 37, 8 (1958). Cf. U. S. 31, 1331. About 30-35% of Mn in the Chirchik district is lost in slimes and tailings. Even in the new concentrators the loss is 20-25%. These losses may be reduced by the recently developed combination method for concentrating Mn slimes. It includes the following operations: partial elimination of primary slimes; classification for table reduction to 20-30 mesh; concentration on tables with separation of concentrate, middling and tailings; separation of overflow from middlings in a Dorr classifier; further reduction of sands from the Dorr classifier in a mill; flotation of classifier overflow. The total yield of concentrate was 38.6% and total extn. was 68.50%. On a large scale it is expected to obtain a 40% concentrate and an extn. of 75% Mn.

B. Z. Kunch

ASB 56.4 METALLURGICAL LITERATURE CLASSIFICATION

GOMELAURI, N.G.

Local coal supply for coking at the Transcaucasian Metallurgical Plant. Koks i khim. no.10:3-6 '57. (MIRA 10:11)

1. Khar'kovskiy nauchno-issledovatel'skiy uglekhimicheskiy institut (for Garbar). 2. Zakavkazskiy metallurgicheskiy zavod (for Gomelauri). (Transcaucasia--Coal)

AUTHOR: Gomelauri, N.G.

SOV/133-58-6-2/33

TITLE: Perspectives of the Development of Ferrous Industry in the Georgian SSR (Perspektivy razvitiya chernoy metallurgii Gruzinskoy SSR)

PERIODICAL: Stal', 1958, nr 6, pp 486 - 488 (USSR).

ABSTRACT: A brief outline of the development of the iron and steel industry in the Georgian SSR during the years of Soviet power and the development plan for 1959-1965 is given. An interesting point in the development plan is the construction of a pipeline for supplying natural gas. It is thought that this gas will be used for additions to the blast for blast furnaces thus decreasing the coke rate.

ASSOCIATION: Sovet narodnogo khozyaystva Gruzinskoy SSR
(The Council of National Economy of the Georgian SSR)

Card 1/1

1. Industrial plants--Development
2. Pipelines--Construction
3. Fuels--Applications

25(5)

PHASE I BOOK EXPLOITATION

SOV/3080

Gomelauri, Nikolay Georgiyevich, Nikolay Vasil'yevich Kashakashvili,
Solomon Avtandilovich Sharadzenidze, Viktor Viktorovich Sereda,
and Georgiy Lukich Gogava

Zakavkazskiy metallurgicheskiy zavod imeni I. V. Stalina (Zakavkazskiy
Metallurgical Plant imeni I. V. Stalin) [Moscow] Metallurgizdat,
1959. 147 p. 3,000 copies printed.

Ed.: N. G. Gomelauri, Candidate of Technical Sciences; Ed. of
Publishing House: L. M. Gordon; Tech. Ed.: A. I. Karasev.

PURPOSE: This book is intended to acquaint metallurgical workers
and the general public with the design and operation of metal-
lurgical plants.

COVERAGE: The book deals with the history and development of the
Zakavkazskiy Metallurgical Plant imeni Stalin in Rustavi,
Georgian SSR. Construction of individual departments and organi-
zation of production are described. The question of technical pro-

Card 1/3

Zakavkazskiy Metallurgical (Cont.)

SOV/3080

gress and labor productivity is examined. The introduction of progressive technological processes in blast-furnace and steel-making shops, in tube and rolling mills, and in the production of wire and merchant bars is discussed. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

History of Metallurgy in zakavkaz'ye	5
Historical review	5
Raw material and fuel sources	9
Building of the Zakavkazskiy Metallurgical Plant	12
Coke Production	18
Agglomeration. Blast-furnace Production.	29
Sintering plant	29
Blast-furnace operation	35
Steelmaking	42
Card 2/3	

Zakavkazskiy Metallurgical (Cont.)	SOV/3080
Rolling Mill Production	58
Blooming mill	58
Mill for rolling tube billets	68
Merchant-bar and wire-drawing mill	77
Sheet and plate rolling mill	89
Tube Production	97
Repair and Power Facilities	112
Production Innovators	116
Outlook for Plant Development	134
City of Georgian Metallurgists	140
AVAILABLE: Library of Congress (TN755.Z26 G6)	

Card 3/3

VK/mmh
2-15-60

CHOGOVADZE, G.I., red.; GOMELAURI, N.G., red.; DZHOMARDZHIDZE, G.S., red.;
GABUNIYA, A.A., red.; CHIAYEV, I.S., red.; GANGIA, A.K., red.;
ABESADZE, N.K., red.; YAKIMOVA, A., tekhn. red.

[Forty years of Georgian industries, 1921-1961] Promyshlennost' Gru-
zii za 40 let, 1921-1961 g.g. Tbilisi, izd-vo "Zaria Vostoka,"
1961. 253 p. (MIRA 14:8)

1. Georgia. Ekonomicheskiy administrativnyy rayon. Sovet narodnogo
khozyaystva.

(Georgia—Industries)

L 23312-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(n)/EWP(l) JD/HEI
 ACC NR: AP6011200 SOURCE CODE: UR/0413/66/000/006/0032/0032

INVENTOR: Semenov, O. A.; Alferova, N. S.; Yankovskiy, V. M.; Kolesnik, B. P.;
Ostrin, G. Ya.; Plyatskovskiy, O. A.; Kheyfets, G. N.; Gleyberg, A. Z.;
Chemerinskaya, R. I.; Gomelauri, N. G.; Blanter, M. Ye.; Sharadzenidze, S. A.;
Suladze, O. N.; Gol'denberg, A. A.; Tsereteli, P. A.; Ubiriya, A. Ye. Seperteladze,
O. G.

ORG: none

TITLE: Method of manufacturing strengthened tubes. Class 18, No. 179786 [announced
 by the Ukrainian Scientific Research Institute of Pipes (Ukrainskiy nauchno-issledo-
 vatel'skiy trubnyy institut)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 32

TOPIC TAGS: tube manufacturing, tube rolling, tube strengthening, tube heat treatment

ABSTRACT: This Author Certificate introduces a method of strengthening hot-rolled
 tubes. According to this method, the hot-rolled tube is quenched immediately after
 it leaves the first rolling mill, and then is sized or reduced at a tempering tempera-
 ture. [ND]

SUB CODE: 13/ SUBM DATE: 12Nov63/ ATD PRESS: 4230

Cord 1/1 UVR UDC: 621.78.08.621.771.2

GOMELAURI, V. I.

"Investigation of the Heat Loss of a Pipe in a Transverse Stream of a True Liquid." Sub 23 Jan 47, Power Engineering Inst imeni Academician G. M. Krzhizhanovskiy

Dissertations presented for degrees in science and engineering in Moscow in 1947

SO: Sum No. 457, 18 Apr 55

GOMELAURI, V. I.

Gomelauri, V. I. "On the problem of heat emission in the flow of drop-forming liquids,"
Trudy Energet. in-ta (Akad. nauk Gruz. SSR), Vol. IV, 1948, p. 121-29, (In Georgian,
resume in Russian), - Bibliog: 10 items

SO: U-4934, 29 Oct 53, (Letopis 'Zhurnal 'nykh Statey, No. 16, 1949)

1. GOMELAURI, V.I.
2. USSR (600)
4. Lignite - Georgia (Transcaucasia)
7. An essential characteristic of the ash of Georgian lignite. Soob AN Gruz SSR No. 7 1951.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

[1-]
GOMELAURI, V., kandidat tekhnicheskikh nauk; MUSKHELISHVILI, A.,
kandidat tekhnicheskikh nauk,

The construction of hot well pumping installations in Tskhaltubo.
Khol. tekhn. 32 no.3:39-40 J1 - S '55. (MLBA 9:1)
(Tskhaltubo--Air conditioning) (Tskhaltubo--Springs)

GOMELAURI, V., kand.tekhn.nauk; RATIANI, G., kand. tekhn.nauk.

Using heat pumps in tea factories [with summary 'in English]. Khol.
tekhn. 35 no.4:45-48 J1-Ag '58. (MIRA 11:10)

1.Institut energetiki AN Gruzinskoy SSR.
(Heat pumps) (Tea)

GOMELAURI, V.I., kand. tekhn.nauk

Organizing a peat briquetting industry in the Georgian S.S.R.
Torf. prom. 35 no.5:32-33 '58. (MIRA 11:10)

1. Institut energetiki AN Gruzinskoy SSR.
(Georgia--Peat)

GOMELAURI, V.I.; RATIANI, G.V.

Determination of local and mean heat transfer coefficients for
fuel rods of an IRT research reactor. Trudy Inst.fiz.AN Gruz.
SSR 8:25-40 '62. (MIRA 16:2)
(Heat--Transmission) (Nuclear reactors)